

DIVISION OF OIL, GAS AND MINING

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March 30, 1994

TO:

Wayne Hedberg, Permit Supervisor

RE:

Lynn Kunzler, Reclalmation Specialist Review Comments for Proposed Land Application of Municipal

Biosolids, Kennecott Utah Copper Corporation, M/035/002.

Kennecot needs to add potassium to the soil analysis. these analysis need to be done initially on the biosolids and cocompost to be added to the test plots. All monitoring data needs to be submitted to the Division (either as a separate monitoring report or as part of the annual mine report).

The proposed seed mix does not provide for much diversity. It is suggested that the following species be added:

Small Burnett	Sanguisorba minor	2 lbs
Intermidiate Wheatgrass	Agropyron intermedium	2 lbs
Great Basin Wildrye	Elymus cinereus	2 lbs
Basin Big Sagebrush	Artemisia tridentata t.	.5 lbs
Rubber Rabbitbrush	Chrysothamnus nauseosus	.5 lbs
4-wing Saltbush	Atriplex canescens	2 lbs
Forage Kochia	Kochia prostrata	1 lb

With these additions, the rates for the other species listed on Table 1 could be reduced to 1/2 the stated rate.

These comments could be incorporated as conditions into an approval of the project.



03/39/94

Common name	Scientific name	PLS lbs/acr
tabilization Cover Crop		
Winter rye	Secale cereale	30
	Total	30 lbs/acre
	_ 17	
erennial Mix		
Yellow sweetclover	Melilotus officinalis	3
Tall wheatgrass	Agropyron elongatum	5
Sheep fescue	Festuca ovina	3
Alfalfa (Ranger)	Medicago sativa	5
Winter rye	Secale cereale	10
	Total	26 lbs/acr